

c1
End
wherein the limiting surfaces have two opposing transparent sections that allow illumination through the flowing suspension passing through and measurement by optical means, and

wherein the measuring cell has an inlet opening intended for the whole of the suspension flow, the inlet opening being positioned centrally with regard to one limiting surface to obtain a radial suspension flow in the measuring field having circular limiting surfaces with a pressure that diminishes in a radial direction and an outlet opening intended for the whole of the suspension flow.

2. (Amended) A device according to claim 1 wherein the inlet opening extends through one of the limiting surfaces the device further including an inlet tube for directing and stabilizing the suspension flow connected to the inlet opening and having a length that is greater than its width.

3. (Amended) A device according to claim 1 wherein the periphery of the other limiting surface extends to reach an outer wall of the measuring cell and that a intermediate space is defined between the periphery of said one limiting surface and the outer wall to form a peripheral field.

4. (Amended) A device according to claim 1, wherein distance between the limiting surfaces is adjustable within the range of 0.5-5 mm.

c2
6. (Amended) A device according to claim 1, wherein the other limiting surface is rotatable by the aid of a motor.

C2
End

7. (Amended) A device according to claim 1, wherein the area of an inlet tube to the inlet opening across the direction of flow is greater than the area of the measuring field across the direction of flow immediately after the inlet opening.

8. (Amended) A device according to claim 1, wherein an outer wall of the measuring cell is provided with stop elements to limit the movement of the adjusting means in an upper and a lower position.

9. (Amended) A device according to claim 1, wherein the inlet opening is positioned centrally with regard to said one limiting surface to obtain a radial suspension flow in the measuring field with a pressure that diminishes in a radial direction.

10. (Amended) A device according to claim 1, wherein one of the limiting surfaces can rotate with the aid of a motor.

11. (Amended) A device according to claim 2, wherein the area of the inlet tube across the direction of flow is greater than the area of the measuring field across the direction of flow immediately after the inlet opening.

See the attached Appendix for the changes made to effect the above claims